We should also send the encoding and decoding logic with the encoded bit string.

∴ We send the ascii codes of each character and their corresponding encoded ~~bit~~ Huffman bit values together.

∴ Bits needed for ascii = 6 characters × 8
= 48

Also, the binary keys = no. of bits in (000, 001, 111, 10, 01, 110)
= 16

∴ Total bits which would be sent for future reference = 48 + 16 = 64

∴ Total bits with string = 64 + 38
= 102